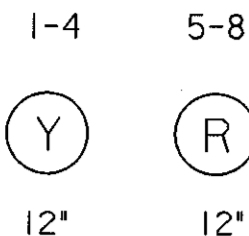


DRILL HOLES

BY: THOMPSON

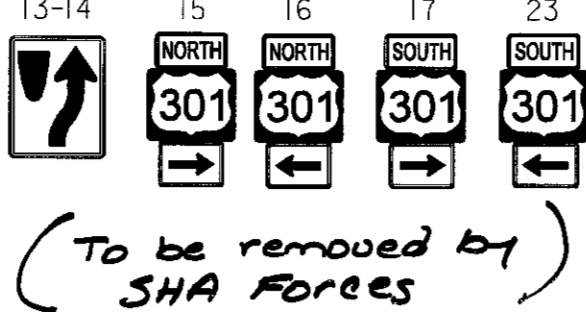
PROPOSED SIGNAL HEADS



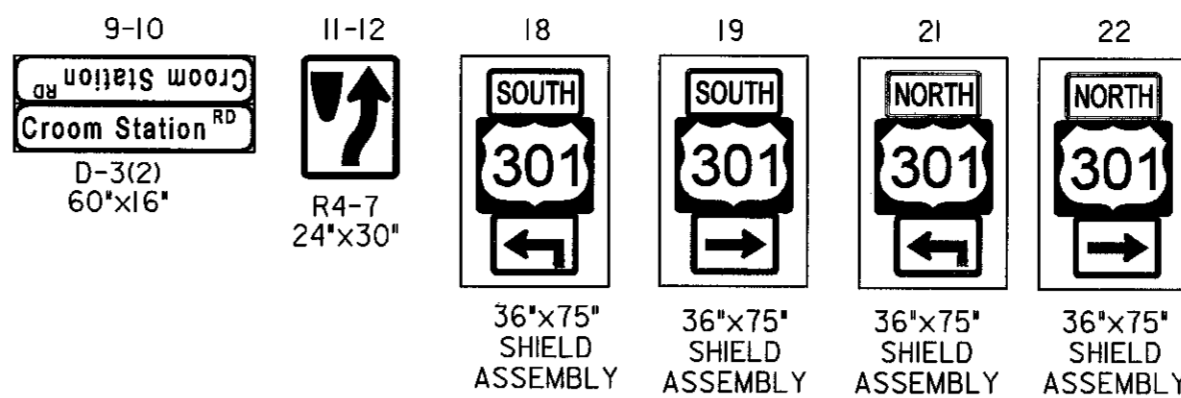
EXISTING SIGNS TO REMAIN



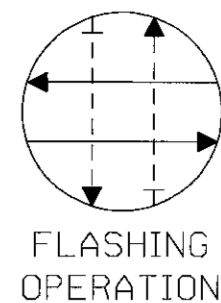
EXISTING SIGNS TO BE REMOVED



PROPOSED SIGNS



NEMA PHASING



NOTE: PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

LINE HEIGHTS (LH) 1
GUY (26'-8")
TELEPHONE (22'-0")

LINE HEIGHTS (LH) 2
SECONDARY (32'-10")
NEUTRAL (27'-2")
CABLE (24'-2")
TELEPHONE (21'-7")

EXISTING
RIGHT - OF - WAY

TO MD 382

EXISTING
RIGHT - OF - WAY

TO MD 4

US 301 (ROBERT CRAIN HIGHWAY)

CONSTRUCTION DETAILS

- INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AND TELEPHONE DROP
- INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT./50 FT. MAST ARMS, VEHICLE SIGNAL HEADS, LIGHTING ARM WITH 250 WATT H.P.S. LUMINAIRE AND PHOTOCELL (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
- INSTALL 27 FT. STEEL POLE WITH 50 FT. MAST ARM, VEHICLE SIGNAL HEADS, SIGNS, LIGHTING ARM WITH 250 WATT H.P.S. LUMINAIRE AND PHOTOCELL (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)
- INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED ELECTRICAL SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A 1 FT. STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
- INSTALL HANDHOLE
- INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT AT UTILITY POLE FOR USE BY OTHERS.
- INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS AT THE END OF THE EXISTING DOUBLE YELLOW PAVEMENT MARKINGS
- REMOVE EXISTING GROUND MOUNTED SIGNS (NOS. 13-17, 23) - BY SHA.
- INSTALL METERED SERVICE PEDESTAL (NOTE: 2-2 IN. 90 DEGREE PVC BENDS)
- REMOVE EXISTING END TREATMENT AND EXTEND EXISTING W BEAM
- INSTALL TRAFFIC BARRIER W BEAM USING 6 FOOT POST
- INSTALL TYPE C TRAFFIC BARRIER END TREATMENT (SHA STD. 605.03)
- INSTALL TYPE I TRAFFIC BARRIER END TREATMENT (SHA STD. 605.10)

UTILITY LEGEND

SD	SD	STORM DRAIN
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
T	T	TELEPHONE CABLES
F	F	FIBER-OPTIC CABLES

SIGNAL HEAD AND POLE LOCATIONS

SCALE: 1"=30'

CROOM STATION ROAD

PEPCO
#867350-9188
WITH TRANSFORMER

PROPOSED
POWER
FEED

NB US 301

SB US 301

EXISTING EDGE
OF PAVEMENT

EXISTING EDGE
OF PAVEMENT

EXISTING EDGE
OF PAVEMENT

GENERAL NOTES

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO AVOID IMPACTING THE DRAINAGE CULVERT IN THE SOUTH MEDIAN NOSE WHEN INSTALLING THE W-BEAM POSTS.

SHA: P2558A52/B52 T&S: AT718-02

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 301 (ROBERT CRAIN HIGHWAY) AND CROOM STATION ROAD

APPROVALS		REVISIONS		TRAFFIC SIGNALIZATION PLAN	
TEAM LEADER ASST. DIV. CHIEF DIVISION CHIEF OFFICE DIRECTOR				SCALE 1"=20' DATE 3/2005 CONTRACT NO. AT7185185	
DESIGNED BY MRK		COUNTY PRINCE GEORGE'S			
DRAWN BY MRK		LOGMILE 16030112.34			
CHECKED BY BAB		T.I.M.S. NO. G540			
F.A.P. NO.		TOD NO.			
DRAWING NO. TS-4365		SHEET NO. 1 OF 2			

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